



July 2009

DEPARTMENT OF EDUCATION
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2009
Code: 12601772
SAU: MSAD 67
School: Mattanawcook Jr High School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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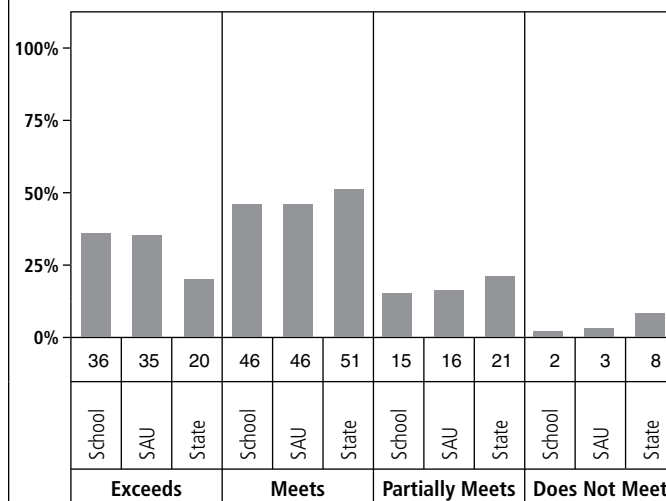
SUMMARY OF SCORES

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

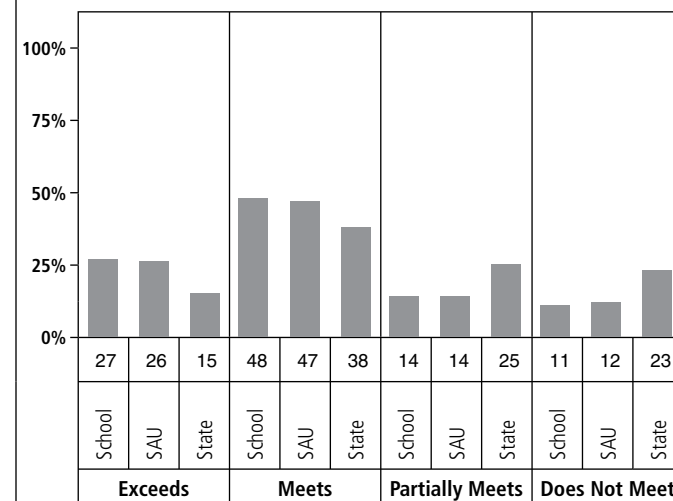
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2006–2007	857	857	847
2007–2008	858	858	849
2008–2009	856	855	850
Cum. Avg.*	857	857	849
Mathematics			
2006–2007	844	845	842
2007–2008	845	845	841
2008–2009	850	850	843
Cum. Avg.*	846	847	842
Science			
2008–2009 **	852	852	846

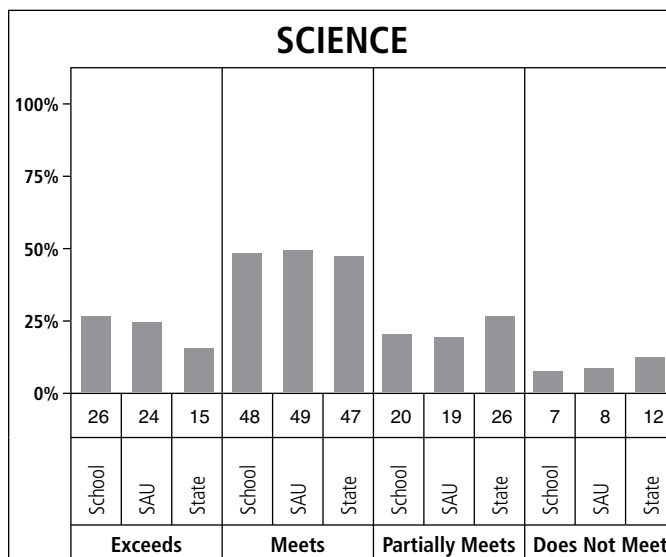
ELA – READING



MATHEMATICS



SCIENCE



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

** Because science standards were reset in May 2009, no historical data are available

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	87	100	82	100	14804	100	86	100	81	100	14659	99	85	100	80	100	14653	99	84	99	79	99	14626	99
Ethnicity African American/Black	1	1	1	1	377	3	1	100	1	100	366	97	1	100	1	100	371	98	1	100	1	100	367	97
American Indian or Native Alaskan	1	1	1	1	119	1	1	100	1	100	117	99	1	100	1	100	115	97	1	100	1	100	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	1	1	1	1	192	1	1	100	1	100	188	98	1	100	1	100	191	100	1	100	1	100	190	99
Caucasian/White	83	95	78	95	13878	94	82	100	77	100	13756	99	81	100	76	100	13742	99	80	99	75	99	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Identified disability	17	20	14	17	2489	17	17	100	14	100	2434	99	17	100	14	100	2424	98	17	100	14	100	2418	98
Current LEP	0	0	0	0	349	2	0	0	0	0	331	95	0	0	0	0	342	98	0	0	0	0	338	97
Economically disadvantaged	39	45	37	45	5460	37	38	100	36	100	5380	99	37	100	35	100	5377	99	36	97	34	97	5359	98
Migrant	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	59	68	57	70	12132	82	58	67	56	68	12124	82	57	66	55	67	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	0	0	0	0	425	3
LEP	0	0	0	0	166	1	0	0	0	0	169	1	0	0	0	0	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
Participation with accommodations	25	29	23	28	2349	16	21	24	20	24	2347	16	25	29	23	28	2288	15
Identified disability (PET/IEP)	15	60	13	57	1877	80	11	52	10	50	1862	79	15	60	13	57	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	10	40	10	43	292	12	10	48	10	50	297	13	10	40	10	43	280	12
Participation through alternate assessment (PAAP)	2	2	1	1	178	1	6	7	4	5	182	1	2	2	1	1	169	1
Identified disability (PET/IEP)	2	100	1	100	178	100	6	100	4	100	182	100	2	100	1	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Approved non-participation in reading – 1st year LEP	0	0	0	0	0	0												
Approved non-participation – special consideration	1	1	1	1	32	0	2	2	2	2	34	0	2	2	2	2	38	0
Non-participation – other	0	0	0	0	113	1	0	0	0	0	117	1	1	1	1	1	140	1

¹Percents are the percentage of students enrolled in each participation category.

²Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	37	40	34	39	2407	16
	2007-2008	38	40	34	39	3428	23
	2008-2009	30	36	28	35	2857	20
	Cum. Total*	105	39	96	38	8692	19
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	38	41	38	43	7494	49
	2007-2008	52	54	47	54	7179	48
	2008-2009	39	46	37	46	7431	51
	Cum. Total*	129	47	122	48	22104	49
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	15	16	14	16	3628	24
	2007-2008	5	5	5	6	2706	18
	2008-2009	13	15	13	16	2979	21
	Cum. Total*	33	12	32	13	9313	21
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	2	2	2	2	1810	12
	2007-2008	1	1	1	1	1611	11
	2008-2009	2	2	2	3	1214	8
	Cum. Total*	5	2	5	2	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	39.2	70.0	39.0	69.6	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	14.0	70.0	14.0	70.0	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	25.1	69.7	25.1	69.7	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:
<http://www.maine.gov/education/lres/pei/index.html>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	84	30	36	39	46	13	15	2	2	856	80	35	46	16	3	855	14481	20	51	21	8	850
Ethnicity																						
African American/Black	1										1						362	8	43	29	20	843
American Indian or Native Alaskan	1										1						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	1										1						186	17	48	23	12	847
Caucasian/White	80	29	36	37	46	13	16	1	1	856	76	36	46	17	1	856	13586	20	52	20	8	850
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	9	60	5	33	1	7	843	13	0	54	38	8	841	2256	2	25	40	34	834
No	69	30	43	30	43	8	12	1	1	858	67	42	45	12	1	858	12225	23	56	17	4	853
Current LEP																						
Yes	0										0						324	5	34	36	26	838
No	84	30	36	39	46	13	15	2	2	856	80	35	46	16	3	855	14157	20	52	20	8	850
Economically disadvantaged																						
Yes	38	11	29	15	39	10	26	2	5	850	36	28	39	28	6	850	5277	10	46	29	15	844
No	46	19	41	24	52	3	7	0	0	860	44	41	52	7	0	860	9204	26	54	16	5	853
Migrant																						
Yes	0										0						5	0	40	60	0	841
No	84	30	36	39	46	13	15	2	2	856	80	35	46	16	3	855	14476	20	51	21	8	850
Gender																						
Female	44	23	52	17	39	3	7	1	2	860	41	51	39	7	2	859	7074	25	51	18	6	852
Male	40	7	18	22	55	10	25	1	3	851	39	18	54	26	3	851	7407	14	51	23	11	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	5	45	6	55	0	0	842	11	0	45	55	0	842	857	9	43	35	14	843
No	73	30	41	34	47	7	10	2	3	858	69	41	46	10	3	857	13624	20	52	20	8	850
Gifted/talented program																						
Yes	0										0						700	69	30	1	0	867
No	84	30	36	39	46	13	15	2	2	856	80	35	46	16	3	855	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA-READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	20 73 7 0	4 25 1 1	25 42 17 1	9 26 3 3	56 43 50 1	3 8 2 1	19 13 33 100	0 1 0 0	0 2 0 0	854 858 847 834	21 72 8 0	25 41 17 0	56 43 50 0	19 14 33 100	0 2 0 0	854 857 847 834	8 51 36 5	8 17 24 29	39 53 52 45	29 22 18 18	24 8 5 9	841 849 852 852
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	38 51 10 1	18 11 1 0	58 26 13 0	8 24 6 0	26 57 75 0	5 6 1 1	16 14 13 100	0 1 0 0	0 2 0 0	862 853 852 834	38 50 10 1	57 26 13 0	27 56 75 0	17 15 13 100	0 3 0 0	862 853 852 834	31 47 18 3	35 16 5 2	50 55 47 39	11 21 33 37	4 7 15 22	856 849 842 839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	59 35 4 2	24 6 0 0	50 21 0 0	16 18 3 1	33 62 100 50	7 5 0 1	15 17 0 50	1 0 0 0	2 0 0 0	858 854 849 842	59 35 4 3	48 22 0 0	35 59 100 50	15 19 0 50	2 0 0 0	858 854 849 842	32 52 12 4	27 18 11 6	54 53 45 34	14 22 29 33	5 8 15 26	853 850 844 838
How difficult was the reading part of this test? A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	10 79 11	2 25 3	25 40 33	3 31 4	38 49 44	3 7 2	38 11 22	0 0 0	0 0 0	852 858 854	11 78 12	25 39 33	38 49 44	38 12 22	0 0 0	852 858 854	15 64 22	13 19 25	42 53 52	28 20 16	17 7 6	844 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	9 72 20	1 20 9	14 34 56	1 31 6	14 53 38	5 7 1	71 12 6	0 1 0	0 2 0	841 856 863	9 72 19	14 34 53	14 52 40	71 13 7	0 2 0	841 856 863	8 52 40	6 14 30	34 54 53	34 24 13	26 8 4	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	44 54 2	11 18 1	31 41 50	16 22 0	44 50 0	8 4 1	22 9 50	1 0 0	3 0 0	853 858 855	41 56 3	28 41 50	44 50 0	25 9 50	3 0 0	852 858 855	39 54 7	19 21 12	50 53 46	22 19 27	9 7 15	849 851 845
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	14 58 12 16	4 19 3 3	36 40 30 23	4 22 5 7	36 47 50 54	3 5 2 3	27 11 20 23	0 1 0 0	0 2 0 0	852 857 854 854	12 59 13 17	33 41 30 23	33 46 50 54	33 11 20 23	0 2 0 0	851 857 854 854	19 40 15 26	26 25 18 7	53 52 51 50	15 17 21 30	6 6 10 13	853 852 849 844
How do you feel about the following statement? "My knowledge of reading will be useful to me as an adult." A. strongly agree B. agree C. disagree D. strongly disagree	37 56 4 4	16 12 1 1	53 27 33 33	9 25 2 1	30 56 67 33	5 7 0 1	17 16 0 33	0 1 0 0	0 2 0 0	861 852 857 857	38 54 4 4	53 24 33 33	30 57 67 33	17 17 0 33	0 2 0 0	861 852 857 857	42 50 7 2	27 15 8 6	51 53 46 39	15 23 32 35	6 9 14 21	853 848 843 840
Optional school/SAU question A. B. C. D.	33 33 33 0	0 0 0 0	0 0 0 0	1 1 0 0	100 100 0 0	0 0 1 1	0 0 100 100	0 0 0 0	0 0 0 0	844 860 834 834	33 33 33 0	0 0 0 0	100 100 0 100	0 0 100 0	0 0 0 0	844 860 834 834						

MATHEMATICS RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	8	9	8	9	1952	13
	2007-2008	11	12	11	13	1657	11
	2008-2009	21	27	20	26	2116	15
	Cum. Total*	40	15	39	16	5725	13
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	52	57	49	56	5870	38
	2007-2008	48	51	43	50	5956	40
	2008-2009	38	48	36	47	5443	38
	Cum. Total*	138	52	128	51	17269	39
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	19	21	19	22	3982	26
	2007-2008	23	24	19	22	3729	25
	2008-2009	11	14	11	14	3556	25
	Cum. Total*	53	20	49	20	11267	25
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	13	14	12	14	3534	23
	2007-2008	13	14	13	15	3579	24
	2008-2009	9	11	9	12	3356	23
	Cum. Total*	35	13	34	14	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Mathematics Total Points	56	100	33.4	59.6	33.3	59.5	28.6	51.1
A. Number	8	14	4.2	52.5	4.2	52.5	3.7	46.3
B. Data	16	29	10.1	63.1	10.0	62.5	8.9	55.6
C. Geometry	12	21	6.4	53.3	6.4	53.3	5.0	41.7
D. Algebra	20	36	12.7	63.5	12.6	63.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2009
 Grade: 8
 SAU: MSAD 67
 School: Mattanawcook Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	79	21	27	38	48	11	14	9	11	850	76	26	47	14	12	850	14471	15	38	25	23	843
Ethnicity																						
African American/Black	1										1						367	6	24	26	44	831
American Indian or Native Alaskan	1										1						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	1										1						190	8	31	26	34	836
Caucasian/White	75	21	28	36	48	10	13	8	11	851	72	28	47	14	11	851	13567	15	38	25	22	843
Not Reported	0										0						0					
Identified disability																						
Yes	11	0	0	4	36	4	36	3	27	836	10	0	30	40	30	835	2242	2	12	22	63	824
No	68	21	31	34	50	7	10	6	9	853	66	30	50	11	9	853	12229	17	42	25	16	846
Current LEP																						
Yes	0										0						336	6	18	26	51	829
No	79	21	27	38	48	11	14	9	11	850	76	26	47	14	12	850	14135	15	38	25	23	843
Economically disadvantaged																						
Yes	34	5	15	15	44	5	15	9	26	844	33	15	42	15	27	844	5270	6	30	28	36	835
No	45	16	36	23	51	6	13	0	0	855	43	35	51	14	0	855	9201	20	42	22	16	847
Migrant																						
Yes	0										0						5	0	0	40	60	828
No	79	21	27	38	48	11	14	9	11	850	76	26	47	14	12	850	14466	15	38	25	23	843
Gender																						
Female	41	11	27	23	56	4	10	3	7	852	38	26	55	11	8	852	7070	15	39	25	22	843
Male	38	10	26	15	39	7	18	6	16	848	38	26	39	18	16	848	7401	14	36	25	25	842
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	3	27	4	36	4	36	835	11	0	27	36	36	835	857	5	25	33	37	835
No	68	21	31	35	51	7	10	5	7	853	65	31	51	11	8	853	13614	15	38	24	22	843
Gifted/talented program																						
Yes	0										0						700	68	27	3	1	866
No	79	21	27	38	48	11	14	9	11	850	76	26	47	14	12	850	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights?																						
A. none	21	4	25	7	44	5	31	0	0	852	21	25	44	31	0	852	8	8	24	24	44	833
B. less than one hour	73	16	28	29	51	6	11	6	11	852	72	28	50	11	11	851	51	12	38	26	23	842
C. one to two hours	6	1	20	2	40	0	0	2	40	837	7	20	40	0	40	837	36	19	40	23	19	845
D. more than two hours	0										0						5	19	36	22	23	844
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	29	11	50	9	41	1	5	1	5	860	30	50	41	5	5	860	28	33	41	15	11	852
B. good	62	9	19	24	51	8	17	6	13	848	61	18	51	18	13	847	45	11	43	25	21	842
C. fair	7	1	20	2	40	1	20	1	20	846	7	20	40	20	20	846	21	3	27	35	35	834
D. poor	3	0	0	1	50	1	50	0	0	842	3	0	50	50	0	842	5	2	14	30	54	828
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	38	10	33	14	47	3	10	3	10	854	40	33	47	10	10	854	28	23	41	21	15	848
B. They match some of what I have learned.	56	11	25	24	55	7	16	2	5	851	55	24	54	17	5	851	52	13	40	25	21	843
C. They match just a little of what I have learned.	5	0	0	0	0	1	25	3	75	822	5	0	0	25	75	822	16	8	28	30	34	836
D. There is no match.	0										0						4	5	15	22	58	826
How difficult was the mathematics part of this test?																						
A. more difficult than my regular schoolwork	24	3	17	7	39	4	22	4	22	842	22	13	38	25	25	840	32	6	34	29	32	837
B. about the same as my regular schoolwork	64	13	27	27	55	6	12	3	6	853	66	27	54	13	6	853	52	13	41	25	20	843
C. easier than my regular schoolwork	12	5	56	3	33	0	0	1	11	860	12	56	33	0	11	860	16	39	35	13	13	853
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	13	16	53	5	17	5	17	847	38	11	54	18	18	846	42	12	38	26	25	841
B. I tried about the same as I do on my regular schoolwork.	60	17	37	22	48	5	11	2	4	855	61	38	47	11	4	855	52	17	39	23	20	845
C. I did not try as hard on this test as I do on my regular schoolwork.	1	0	0	0	0	1	100	0	0	832	1	0	0	100	0	832	7	12	27	27	35	837
How often do you use calculators in mathematics class?																						
A. almost every day	59	15	33	20	43	6	13	5	11	853	57	33	42	14	12	853	34	18	40	22	20	845
B. two or three days a week	38	6	20	17	57	5	17	2	7	850	40	20	57	17	7	850	35	14	38	26	21	843
C. two or three times each month	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	18	12	37	27	24	841
D. never or almost never	1	0	0	0	0	0	0	1	100	800	1	0	0	0	100	800	13	9	32	25	34	837
How often do you use laptops in mathematics class?																						
A. almost every day	3	0	0	1	50	0	0	1	50	828	3	0	50	0	50	828	9	13	38	23	26	841
B. two or three days a week	18	3	21	7	50	3	21	1	7	848	17	23	46	23	8	848	17	11	37	26	26	841
C. two or three times each month	73	15	26	29	51	8	14	5	9	852	73	25	51	15	9	852	28	15	40	25	20	844
D. never or almost never	6	3	60	1	20	0	0	1	20	856	7	60	20	0	20	856	46	16	36	24	23	843
How do you feel about the following statement?																						
“My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	46	13	36	18	50	2	6	3	8	854	45	35	50	6	9	854	52	19	41	22	18	846
B. agree	49	7	18	19	50	7	18	5	13	848	49	19	49	19	14	848	39	11	35	27	27	840
C. disagree	4	1	33	0	0	2	67	0	0	845	4	33	0	67	0	845	6	7	28	26	39	835
D. strongly disagree	1	0	0	1	100	0	0	0	0	856	1	0	100	0	0	856	3	4	25	28	43	832
Optional school/SAU question																						
A.	33	0	0	0	0	1	100	0	0	832	33	0	0	100	0	832						
B.	33	0	0	1	100	0	0	0	0	846	33	0	100	0	0	846						
C.	33	0	0	0	0	0	0	1	100	826	33	0	0	0	100	826						
D.	0										0											

SCIENCE RESULTS

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	21	26	19	24	2155	15
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	39	48	38	49	6687	47
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	16	20	15	19	3672	26
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	6	7	6	8	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Science Total Points	56	100	35.9	64.1	35.8	63.9	32.0	57.1
D. The Physical Setting	31	55	18.5	59.7	18.6	60.0	17.1	55.2
D1/D2 Earth/Space	17	30	10.0	58.8	10.0	58.8	9.4	55.3
D3/D4 Matter and Energy/Force and Motion	14	25	8.5	60.7	8.5	60.7	7.7	55.0
E. The Living Environment	25	45	17.4	69.6	17.2	68.8	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting
D1 - Universe and Solar System
D2 - Earth
D3 - Matter and Energy
D4 - Force and Motion

Content Standard E. The Living Environment
E1 - Biodiversity
E2 - Ecosystems
E3 - Cells
E4 - Heredity and Reproduction
E5 - Evolution

SCIENCE RESULTS

(CONTINUED)

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	82	21	26	39	48	16	20	6	7	852	78	24	49	19	8	852	14263	15	47	26	12	846
Ethnicity																						
African American/Black	1										1						360	4	31	35	30	835
American Indian or Native Alaskan	1										1						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	1										1						184	9	45	29	16	842
Caucasian/White	78	21	27	36	46	15	19	6	8	852	74	26	47	19	8	852	13375	15	47	25	12	846
Not Reported	0										0						0					
Identified disability																						
Yes	15	0	0	5	33	9	60	1	7	840	13	0	31	62	8	840	2221	3	22	36	38	832
No	67	21	31	34	51	7	10	5	7	855	65	29	52	11	8	854	12042	17	51	24	7	848
Current LEP																						
Yes	0										0						331	4	20	39	37	832
No	82	21	26	39	48	16	20	6	7	852	78	24	49	19	8	852	13932	15	48	25	12	846
Economically disadvantaged																						
Yes	36	5	14	15	42	10	28	6	17	846	34	12	44	26	18	845	5184	6	40	33	21	840
No	46	16	35	24	52	6	13	0	0	857	44	34	52	14	0	857	9079	20	51	21	8	849
Migrant																						
Yes	0										0						5	0	0	80	20	829
No	82	21	26	39	48	16	20	6	7	852	78	24	49	19	8	852	14258	15	47	26	12	846
Gender																						
Female	42	12	29	21	50	7	17	2	5	854	39	26	51	18	5	853	6953	14	47	28	11	846
Male	40	9	23	18	45	9	23	4	10	850	39	23	46	21	10	850	7310	16	46	24	13	846
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	11	0	0	3	27	5	45	3	27	837	11	0	27	45	27	837	828	5	35	40	20	839
No	71	21	30	36	51	11	15	3	4	854	67	28	52	15	4	854	13435	16	48	25	12	846
Gifted/talented program																						
Yes	0										0						699	65	34	2	0	865
No	82	21	26	39	48	16	20	6	7	852	78	24	49	19	8	852	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2009
Grade: 8
SAU: MSAD 67
School: Mattanawcook Jr High School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	20	4	25	8	50	3	19	1	6	853	21	25	50	19	6	853	8	8	34	28	30	837
B. less than one hour	73	16	27	31	52	10	17	3	5	853	72	25	54	16	5	853	51	14	48	27	11	846
C. one to two hours	7	1	17	0	0	3	50	2	33	838	8	17	0	50	33	838	36	19	48	24	9	848
D. more than two hours	0										0						5	17	49	20	14	847
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	17	4	29	7	50	3	21	0	0	855	17	31	46	23	0	856	23	27	47	17	8	851
B. good	54	14	32	22	50	5	11	3	7	854	54	31	52	10	7	854	53	15	50	26	10	847
C. fair	27	3	14	10	45	7	32	2	9	848	27	10	48	33	10	847	20	4	43	35	18	840
D. poor	2	0	0	0	0	1	50	1	50	826	3	0	0	50	50	826	4	4	27	34	35	834
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	37	7	23	15	50	7	23	1	3	852	35	22	52	22	4	852	26	20	49	23	9	849
B. They match some of what I have learned.	51	12	29	20	48	6	14	4	10	853	54	29	48	14	10	853	51	14	48	26	11	846
C. They match just a little of what I have learned.	9	2	29	3	43	2	29	0	0	853	8	17	50	33	0	851	18	13	44	28	15	844
D. There is no match.	4	0	0	1	33	1	33	1	33	837	4	0	33	33	33	837	4	5	33	30	32	836
How difficult was the science part of this test?																						
A. more difficult than my regular schoolwork	23	5	26	9	47	3	16	2	11	851	22	24	47	18	12	851	32	13	45	28	14	844
B. about the same as my regular schoolwork	66	14	26	24	44	12	22	4	7	851	67	25	46	21	8	851	56	15	49	25	11	847
C. easier than my regular schoolwork	11	2	22	6	67	1	11	0	0	857	12	22	67	11	0	857	11	21	43	22	13	847
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	39	4	13	18	56	5	16	5	16	848	37	10	59	14	17	848	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	59	17	35	20	42	10	21	1	2	855	60	34	43	21	2	855	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	1	50	1	50	0	0	843	3	0	50	50	0	843	6	8	36	29	26	839
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	44	8	22	15	42	11	31	2	6	851	42	21	42	30	6	851	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	16	6	46	4	31	3	23	0	0	857	17	46	31	23	0	857	23	17	49	22	12	847
C. the course(s) described in B, plus physics	21	4	24	8	47	1	6	4	24	848	22	24	47	6	24	848	21	31	44	17	7	852
D. a life science and physical science class	20	3	19	12	75	1	6	0	0	854	19	13	80	7	0	854	30	7	46	32	14	842
How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."																						
A. strongly agree	27	7	32	10	45	3	14	2	9	854	28	32	45	14	9	854	27	23	47	20	10	849
B. agree	40	10	30	18	55	2	6	3	9	854	40	29	55	6	10	854	37	14	47	27	12	846
C. disagree	17	2	14	8	57	4	29	0	0	852	17	8	62	31	0	850	25	11	48	29	12	845
D. strongly disagree	16	2	15	3	23	7	54	1	8	844	15	17	25	50	8	845	11	9	44	31	17	842
How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."																						
A. strongly agree	37	8	27	17	57	4	13	1	3	855	37	28	59	10	3	856	31	22	46	22	10	849
B. agree	46	12	32	15	39	9	24	2	5	852	45	29	40	26	6	852	50	14	49	26	11	846
C. disagree	9	1	14	5	71	1	14	0	0	853	9	14	71	14	0	853	14	9	45	31	15	843
D. strongly disagree	9	0	0	2	29	2	29	3	43	837	9	0	29	29	43	837	5	3	38	34	25	837
Optional school/SAU question																						
A.	33	0	0	0	0	0	0	1	100	818	33	0	0	0	100	818						
B.	33	0	0	1	100	0	0	0	0	860	33	0	100	0	0	860						
C.	33	0	0	0	0	0	0	1	100	826	33	0	0	0	100	826						
D.	0										0											

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number